

Message

From: Khan, Faruque [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B95BE1A38D5745C2B5FCFF99A5C506F6-FARUQUE KHAN]
Sent: 4/29/2022 12:45:42 PM
To: Dawson, Jeffrey [Dawson.Jeff@epa.gov]
CC: Sankula, Sujatha [Sankula.Sujatha@epa.gov]; Orrick, Greg [Orrick.Greg@epa.gov]
Subject: RE: question on broflanilide

Great! Thanks Jeff for sharing the ORD's PFAS testing strategy. Faruque

From: Dawson, Jeffrey <Dawson.Jeff@epa.gov>
Sent: Friday, April 29, 2022 8:28 AM
To: Khan, Faruque <Khan.Faruque@epa.gov>
Cc: Sankula, Sujatha <Sankula.Sujatha@epa.gov>; Orrick, Greg <Orrick.Greg@epa.gov>
Subject: RE: question on broflanilide

Faruque

Thanks very much for the info. I asked an ORD colleague about broflanilide and the degradates to see how they overlay with the PFAS national testing strategy. None of them were included in our final categorization process. See (especially Sections 3-6) in this document: <https://www.epa.gov/system/files/documents/2021-10/pfas-natl-test-strategy.pdf>

There were structural filters applied and these would have been excluded because of the ring structures.

Also, broflanilide is included in the ORD dashboard but the degradates are not/have no data in that system.

This will help address the inevitable questions around the PFAS issue when the briefings are done.

Thx again,

Jeff

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From: Khan, Faruque <Khan.Faruque@epa.gov>
Sent: Friday, April 29, 2022 7:46 AM
To: Dawson, Jeffrey <Dawson.Jeff@epa.gov>
Cc: Sankula, Sujatha <Sankula.Sujatha@epa.gov>; Orrick, Greg <Orrick.Greg@epa.gov>
Subject: RE: question on broflanilide

Hi Jeff,
It was nice to see you too and catch up with family news.

I am sending you the ROCKS memo for your information. Table 5 in the rock memo has more details of parent and degradates info except CAS# for all degradates. I believe CAS #s were not assigned at the time we did the assessment. If you need any additional info, please let me know.

Thanks

Faruque

From: Dawson, Jeffrey <Dawson.Jeff@epa.gov>

Sent: Thursday, April 28, 2022 4:47 PM

To: Khan, Faruque <Khan.Faruque@epa.gov>

Subject: question on broflanilide

Faruque,

It was good to see you in person the other day. Glad you are well.

I had a question for you. I was trying to gather info to be able to tell the whole PFAS related story when the broflanilide and PQZ briefing happens. The following slide from the planned presentation describes 3 PFAS degradates and I am trying to get info on them relative to our PFAS testing strategy.

Broflanilide and the major degradates

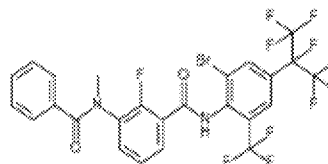
DC-8007

- forms in anaerobic soil (71%) and aerobic and anaerobic aquatic environments (19%).
- considered in drinking water assessment

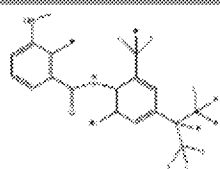
AB-Oxa, and S(Br-OH)-8007, MFBA and benzoic acid

- identified in acidic and alkaline conditions of the aqueous photolysis study. (14 -44%)
- may not be relevant under a neutral aquatic environment.

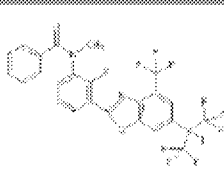
Broflanilide



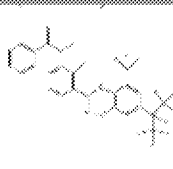
DC-8007



AB-Oxa

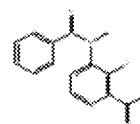


S(Br-OH)-8007

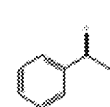


Degradates with PFAS side chain

MFBA



Benzoic acid



Degradates without PFAS side chain

I also found this document which you were the reviewer on <https://www.epa.gov/sites/default/files/2021-01/documents/der-broflanilide-in-soil-mrid-50211340.pdf>

It has the chemical name for DC-8007 but nothing for the other 2. Any idea where to find them or the CAS numbers for all 3?

I was going to use the EPA dashboard to get some more info on them but to no avail because I didn't have enough info which is why I am sending this note. I also sent this to someone in ORD who knows the dashboard to see if he could structurally search.

If you have any thoughts that would be great.

Thanks very much,

Jeff

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